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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/881,323	06/14/2001	Zon-Yin Shae	YOR920010333US1	7149
7590 09/21/2006				
Ryan, Mason & Lewis, LLP 1300 Post Road, Suite 205 Fairfield, CT 06430		EXAMINER CHANG, RICHARD		
		ART UNIT PAPER NUMBER		
		2616		

DATE MAILED: 09/21/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

09/881,323

Applicant(s)

SHAE ET AL.

Examiner

Richard Chang

Art Unit

2616

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 29 June 2006.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 19-24, 38, 39, 53 and 54 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 19-20, 24, 38 and 53 is/are rejected.
- 7) ☒ Claim(s) 21-23, 39 and 54 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 06/14/2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_.

## DETAILED ACTION

### ***Response to Amendment***

1. Applicant's arguments and amendments, filed on 06/29/2006, with respect to claims 19-24, 38-39 and 53-54 have been fully considered but are moot in view of the new ground(s) of rejection.

The indicated allowability of claims 19-21, 24, 38 and 53 are withdrawn in view of to US patent application publication No. US 2002/0157103 A1 ("Song et al.") and the newly discovered references US patent No. 6,744,915 B1 ("Barton et al."). Rejections are based on the newly cited reference(s) follow.

Claim 1-18, 25-37, 40-52, 55-59 had been canceled.

### ***Claim Objections***

2. Claims 19 and 53 are objected to because of the following informalities:

Regarding to Claim 19, the preamble of the claim "a method ..." is too general and unclear. It does not specify any operational environment and conditions for a special application. It is recommended to use claim 38 as example as "a method for periodically broadcasting levels of detailed of stroke data with application to seminar...".

Regarding to Claim 53, the preamble of the claim "an article of manufacturing ..." is too general and unclear. It does not specify any operational environment and conditions for a special application. It is recommended to use claim 38 as example as

"an article of manufacturing for periodically broadcasting levels of detailed of stroke data with application to seminar...".

Appropriate correction is required.

### ***Claim Rejections - 35 USC § 103***

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 19-21, 39 and 53 are rejected under 35 U.S.C. 103(a) as being unpatentable over US patent application publication No. US 2002/0157103 A1 ("Song et al.") in view of US patent No. 6,744,915 B1 ("Barton et al.").

Regarding Claims 19, 39 and 53, Song et al. teaches Song et al. teach a method for periodically broadcasting media content (method for digital media playback in a broadcast network), the method comprising of

creating a plurality of levels (dividing into segments) for the media content (multimedia presentation), and

periodically transmitting (in periodic transmission process) each level (segments) (See Fig. 1, page 2, paragraph [0011-0013]).

Song et al. teaches substantially all the claimed invention but did not disclose expressly the particular application involving limitations of "determining original stroke

data from a whiteboard and for each of a plurality of levels of detail, determining predicted stroke data from the original stroke”

Barton et al. teaches a similar application in image identification with the estimation process wherein determining original stroke data from a whiteboard (determine the spatial samples stroke data) (See Col. 1, lines 54-67) and for each of a plurality of levels of detail, determining predicted stroke data from the original stroke (the segment estimator estimates the stroke with predictive analysis) (See Fig. 5, Col. 9, lines 51-63).

At the time the invention was made, therefore, it would have been obvious to one of ordinary skill in the art to combine Barton et al. with Song et al. in order to obtain a method for periodically broadcasting media content and to take advantage of determining the spatial samples stroke data and estimating the stroke with analysis.

The motivation to do so would have been to determine the spatial samples stroke data and to estimate the stroke with predictive analysis, as suggested by Barton et al. in Col. Col. 9, lines 51-63.

Regarding claims 20-21, as discussed above, these claims have limitations that is similar to those of claim 19 and Song et al. further teach a step to assign a minimum latency for each of the levels, and a step to determine a bandwidth for each level of detail by using a corresponding one of the minimum latencies (determines a best feasible gap) (See page 8, paragraph [0127-0130]), thus it is rejected with the same rationale applied against claim 19 above.

Regarding claims 24, as discussed above, this claim has limitations that is similar to those of claim 19 and Song et al. further teach a step to receiving a set of the levels of detail and displaying this set of the levels of detail by combining points from the each level of detail in the set (play back at receiver side) (See page 3-4, paragraph [0047-0049]), thus it is rejected with the same rationale applied against claim 19 above.

### ***Allowable Subject Matter***

5. Claim 22-23, 39 and 54 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims and if no art rejection can be applied.

### ***Reason for indicating Allowable Subject Matter***

6. The following is a statement of reasons for the indication of allowable subject matter: The prior art along or in combination fails to teach or make obvious the following limitations:

“for a lowest level of detail, determining segmentation points of the original stroke data and using the segmentation points as the predicted stroke data for the lowest level of detail; and for higher levels of detail, determining feature points determined by using an area-based error method that uses points in a lower level of detail, wherein the feature points are used as the predicted stroke data” as recited in the dependent claims 22, 39 and 54.

**Conclusion**

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Richard Chang whose telephone number is (571) 272-3129. The examiner can normally be reached on Monday - Friday from 8 AM to 5 PM.

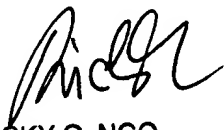
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ricky Ngo can be reached on (571) 272-3139. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

*Rlc*

rkc

Richard Chang  
Patent Examiner  
Art Unit 2616

  
RICKY Q. NGO  
SUPERVISORY PATENT EXAMINER